



Army Win10 Transition

February 2017

TECH BULLETIN

Waiver Request and POA&M Deadline Extended. Army Cyber Command (ARCYBER) is shifting the deadline to request temporary extensions to the migration completion mandate of January 2018, as well as permanent waivers from Windows 10 migration, for office information technology. Extension requests and their Plans of Action and Milestones (POA&Ms), and permanent waiver requests, will be due 31 July 2017 instead of 1 March 2017. The new submission date, and instructions and templates for extensions, POA&Ms and waivers, will be included in Fragmentary Order 1 to ARCYBER Operations Order 2017-17, due to be released in late February or early March.

Regional News

Europe

At the end of January, U.S. Army Europe (USAREUR) had migrated more than 20% of its machines to Win10. The goal is to continue at a pace of 10% per month, which may not be possible once the easy “low-hanging fruit” have been transitioned. Enterprise Service Desk – Europe (ESD-E) and Kaiserslautern have begun building the Win10 Secure Host Baseline-Army (SHB-A) Secure Internet Protocol Router (SIPR) image; it should be ready for implementation in March. Based on feedback from theater Network Enterprise Centers (NECs), ESD-E revised its Win10 imaging guide; the updated version is now available on the 119 portal. ESD-E also completed testing the System Center Configuration Manager (SCCM) upgrade to version 1606; it should go live 18 February. Europe continues to train the NEC/information management officer (IMO) community in remote administration, and other aspects, of the Win10 SHB. Training sessions likely will become a regular, monthly occurrence.

CONUS

As of the end of January, 862 Army National Guard (ARNG) systems connected to its domain were running Win10. The ARNG is currently upgrading its SCCM, in compliance with Army Cyber Command Operations Order 2017-076, and is getting ahead of the curve by moving directly to version 1610 (bypassing version 1606). Once completed around 15 February, the ARNG will begin testing Win10 v1607 (aka Redstone 1), to include assessing and validating a new deployment task sequence and validating the imaging process. When testing has finished, mass deployments will resume. The ARNG projects it will migrate another 500 machines in February, 1,000 machines in March and 2,000 machines in April. The ARNG also expects to take delivery of approximately 17,000 HP ProBooks, purchased under Consolidated Buy 23, by the beginning of February. The total number of new systems shipped to date is 36,154, at a cost of approximately \$20.6 million.

U.S. Army Reserve Command (USARC) had installed Win10 on 52 machines as of 30 January. In addition, its migration to a new ePolicy Orchestrator server was 97% complete. USARC needs to analyze 500 to 700 applications to determine their owners and whether they need to be migrated. Barring problems with mission-critical applications, such as the Reserve pay system, USARC expects to begin its major implementation push in April with approximately 20,000 systems.

Army Materiel Command (AMC) has moved all of its special installations to SCCM 1606; as soon as ARCYBER completes Host-Based Security System upgrades, which is expected at the end of February, special installations will begin Win10 migration. AMC headquarters and its major subordinate commands, which are tenants on larger installations, continue to wait for their local NECs to approve migration initiation. NECs also handle SIPR for AMC depots and arsenals (but not NIPR, which is AMC-managed) and SIPR SCCM. In addition, AMC maintains computers that sit on the Defense Research Engineering Network (DREN) and Secret DREN. AMC remains concerned about funding to accelerate its life-cycle replacement (LCR) program; all special installations are under the Army Working Capital Fund (not the Program Objective Memorandum) and may have to execute zero-sum funding shifts take pay for LCR.

As of 1 February, 7th Signal Command had manually migrated 344 systems to Win10 (short of its January goal of 2,500). With its partners, 7th Sig is developing governance, command and control processes, and other necessary guidance and directives, to aid and enforce compliance with the transition to Win10. 7th Sig and Regional Cyber Center – CONUS (RCC-C) continue to deploy SCCM 2012 in CONUS. RCC-C is completing system integration testing (SIT) and system acceptance testing (SAT) for the primary servers at Joint Base San Antonio, Fort Carson and Fort Bragg, and is in the process of building out all secondary sites, which were about 27% complete as of the end of January.



Africa Command (AFRICOM)

AFRICOM headquarters completed its Non-secure Internet Protocol Router Network (NIPRNet) upgrade to Win10 on 1 February. It is now building and testing its SIPR image, to include assessment of above-baseline software. AFRICOM expects to migrate its headquarters SIPR workstations in March. The timeline for transitioning to Win10 at Combined Joint Task Force – Horn of Africa is being finalized; migration should begin shortly.

Southwest Asia (SWA)

At the end of January, SWA was running 855 Win10 systems on NIPR and six Win10 systems on SIPR. The SWA Cyber Center intends to use CP Migrator as its light/zero-touch solution and is seeking a Certificate of Networkiness.

Pacific

As of 1 February, 67 Win10 v1511 machines were on the U.S. Army Pacific (USARPAC) network. A contract for an SCCM bridging solution has been awarded; the shipping date has not yet been set but 311th Signal Command anticipates the equipment will arrive in Hawaii no later than 25 February. USARPAC is targeting the end of March or beginning of April to begin its full deployment push.

Korea

Korea began its Win10 pilot outside the RCC at the end of January, with multiple types of machines in all four area NECs, bringing the total number of systems on the Korea network to 61. The RCC has identified two primary issues, both related to the age of the machines on its network. Although they are 64 bit-capable and can run Win10, the vast majority cannot support Trusted Platform Module (TPM) 2.0 (only TPM 1.0 or 1.2). Additionally, there are no Win10-specific drivers for some of the machines due to their age. Though some function with the default Win10 drivers, others do not have full hardware functionality, such as video, and the network card does not work, making installation very difficult. The RCC is searching for, and has found many, Win10 drivers for the models in its inventory. RCC-Korea plans to incorporate these drivers into its SCCM task sequence, which will help automate operating system implementation. RCC-Korea also is crafting plans to replace old systems for which drivers are not available and that do not have TPM 2.0.

Programs of Record (PoRs)

After a two-month interruption, Computer Hardware, Enterprise Software and Solutions (CHESS) and the Assistant Secretary of the Army (Acquisition, Logistics and Technology) (ASA(ALT)) have re-established the process for

Program Executive Office (PEO) personnel and supporting contractors to download the Win10 image. Individuals who were previously approved by their PEOs should contact their PEO Win10 leads for re-validation and the application form, if they still need access. The application form must be digitally signed (via Common Access Card) by both the person who needs access and his/her government supervisor or government sponsor if a contractor, then sent to the PEO Win10 lead, who will submit it to CHESS.

On 31 January 2017, ASA(ALT) formally tasked PEOs to provide Win10 migration waiver and extension requests for PoRs and separate projects (task #1701236218). Any PoR or separate project that cannot fully migrate by 31 January 2018 must ask for a waiver (permanent exemption) or an extension (migration to be completed after January 2018) and Plan of Action and Milestones (POA&M). Waiver and extension requests must be signed by the authorizing official and the PEO, then forwarded to ARCYBER and HQDA CIO/G-6 for endorsement. HQDA CIO/G-6 will submit endorsed requests to the DoD CIO for approval. The Army Materiel Command CIO will provide direction to PoRs in sustainment for which it is the authorizing official. The deadlines for waiver and extension requests are staggered and grouped according to type of connection and whether the request is for a permanent waiver or an implementation extension.

- April 2017: Waivers for systems connected to an open network (commercial Internet service provider, NIPR Network, etc.).
- May 2017: Extensions for systems connected to an open network.
- June 2017: Waivers for systems connected to a closed restricted network (SIPR Network, Joint Worldwide Intelligence Communications System, etc.).
- July 2017: Extensions for systems connected to a closed restricted network.
- August 2017: Waivers for standalone systems.
- 15 September 2017: Extensions for standalone systems.

If you don't know who your PEO Win10 lead is, contact Rich DeAtley: richard.d.deatley.ctr@mail.mil. Make sure that your PEO and PM offices are identified and, if you are a contractor, you have cc'ed your government sponsor. For personnel working on PoR Win10 migration, the ASA(ALT) Win10 Team hosts weekly telecons on Tuesdays from 1200 to 1230. This month, they are emphasizing resolution of technical issues with the Microsoft support team. If you would like to attend, please contact Rich DeAtley (email above) or Shannon O'Brien (shannon.e.obrien4.civ@mail.mil). Non-government personnel must submit a request to join through their government sponsor.



Make Sure You Get the Right Image!

Eager to start fielding Windows 10 v1607, aka Redstone 1? Hold on just a little longer. Only the official Redstone 1 SHB-A image, produced and released by Network Enterprise Technology Command's (NETCOM) Army Golden Master (AGM) team, may be installed on Army systems.

ARCYBER Operations Order 2017-017 directs that all Army non-server Windows operating systems be migrated to the SHB-A only as released by NETCOM. If you install any version of Windows 10 other than the image officially issued by NETCOM, you will both violate Army policy and cause technical problems.

Applying the 1607 update, or any future update, directly from Microsoft overwrites the Army's activation license. The "vanilla" DoD SHB image, released by the Defense Information Systems Agency to the Services as a "build from" image, also does not contain important licensing and middleware components that are essential to operating on the Army-managed portion of the DoD Information Network.

NETCOM will continue to issue new versions of SHB-A in accordance with Microsoft's declaration and DISA's customization, testing and approval of the Current Branch for Business. NETCOM expects to release a wipe-and-load Redstone 1 image on 10 February and an upgrade-in-place image for computers already on v1511 (Threshold 2) at the end of the month. Original equipment manufacturers will receive the Redstone 1 SHB-A on 28 February; this image will be loaded onto all computers purchased through Consolidated Buy 24 prior to shipment.

Requests for deviation from the SHB-A must be routed to NETCOM, via the AGM support desk, for requirements validation with ARCYBER. Please email netcom.hq.agmsupport@mail.mil. For more information about Win10, check the AGM home page: <https://www.us.army.mil/suite/page/130061>.

Reporting Metrics

Unsure what exactly you need to report to ARCYBER regarding Win10 migration requirements and progress? Reporting metrics definitions have been added to the Library section of the ARCYBER Windows 10 SHB-A Migration portal:

<https://army.deps.mil/Army/CMDS/ARCYBER/External/G3/G35/G351/Win10%20SHBA%20Migration/Forms/AllItems.aspx>

Want to fix a user's problem from your own workstation?

Windows 10 no longer allows elevation of privileges from within the user's profile. However, ESD-Europe has developed a workaround that will give you most of the remote functionality you had under Windows 7. Check out the step-by-step instructions at:

<https://army.deps.mil/netcom/sites/5thsignal/G3/119/portal/Documents/ESD%20Tips%20Windows%2010%20Elevation.doc>.